Network Control Center

STDN DAILY REPORT
FOR GMT DAYS
20, 21, 22,23,24 AND 25
DECEMBER 2001

Part I. Operations

20 DEC.

A. SN Anomalies

1. STGT/FUSE Support 20/1947/1952Z

The POCC reported command not getting to spacecraft. Investigation revealed the WDIS FWD switch was configured in AUTO "B" side selected at STGT. The switch was manually configured to the "A" side, correcting the command problem. TTR # 24150

TDS 1947-2011Z 5 Mins Svc loss

2. WSGT/HST Support 20/2305-2306Z

HST reported minor frame gaps during this event. POCC reported no data loss. Investigation shows possible mutual interference caused this anomaly. TTR # 24151

TDW 2302-2353Z 56 Seconds Service Loss

3. WSGT/ERBS Support 20/2305-2306Z

ERBS reported dropouts during this event. Investigation showed possible mutual interference caused this anomaly. TTR # 24152

TDW 2259-2329Z 56 Secs. Svc/Data Loss Recoverable

4. STGT/FUSE WDISC Support 20/2300-2302Z

POCC reported no socket connection, reason unknown. NCC TM had to re-enable socket connection between POCC and STGT. TTR # 24153

2300-2332Z 2 Minutes 17 Seconds Service Loss

B. ISS Anomalies - None.

C. GN Anomalies.

1. AGS/JASON-1 Support 20/1130-1138Z

After normal AOS the data faded out due to antenna tracking angles. It was discovered that the ephemeris for the spacecraft contained two sets of ephemeris and only the first was being read. CDS ID#30093

LEO-T 1122-1145Z 8 Mins. 29 Secs. Svc/Data Loss Recoverable Unknown

2. AGS/JASON-1 Support 20/1322-1339Z

Late acquisition due to inadequate ephemeris. CDS ID# 30095

LEO-T 1318-1339Z 21 Mins. 23 Secs. Svc/Data Loss Recoverable Unknown

3. AGS/TRACE Support 20/0321-0322Z

The FEP shutdown commands were transmitted early. CDS ID# 30096

TOT-1 0312-0322Z 30 Secs. Svc/Data Loss Recoverable

21 DEC.

A. SN Anomalies

1. WSGT/XTE Support 21/1249-1255Z

XTE experienced a late acquisition, reason unknown.
TTR # 24154

171 1249-1309Z 5 Mins. 25 Secs. Svc/Data Loss Recoverable

2. STGT/ERBS Support 21/1331-1332Z

ERBS experienced a dropout cause by downlink failover.
TTR # 24155 DR # 43864

TDS 1322-1352Z 1 Sec. Svc/Data Loss Recoverable

3. WSGT/HST Supports 21/1830-1945Z

HST was unable to received data due to in-house equipment anomaly. TTR # 24156

TDW MAR4 1802-1821Z 12 Mins. 30 Secs. Data Loss Recoverable
TDE MAR2 1832-1859Z 27 Mins. 26 Secs. Data Loss Recoverable

B. ISS Anomalies - None.

C. GN Anomalies - None.

22 DEC.

A. SN Anomalies - None

B. ISS Anomalies - None.

C.GN Anomalies:

1. WGS/EO-1 Support 22/0203-0215Z

Station experienced 11 meter schedule transfer problem. Station had to manually schedule the support. CDS ID # 30098

11 Meter 3 Mins. X-Band Telemetry Data Loss Recoverable

2. MGS/RADARSAT-1 Support 22/1156-1211Z

Station was unable to ACQ spacecraft for this support, reason unknown. CDS ID# 30099

10 M 5 Minutes Svc/Data Loss Non-Recoverable

3. MGS/RADARSAT-1 Support 22/1519-1520Z

Late X-Band recorder start, reason unknown. CDS ID# 30100

10 M 13 Seconds Svc/Data Loss Non-Recoverable

4. WGS/SAGE-III Support 22/1311-1323Z

Upon AOS antenna ran away, manually brought antenna back to the right angles. Operator noticed angles on star salve system fluctuating, switched to STSP system for slave source and ant tracked fine. CDS ID# 30101

7.3 M 10 Seconds SVC/Data Loss Recoverable Unknown

5. AGS/SAMPEX Support 22/2222-2232Z

Front end processor locked up at AOS. No commands and no real time were sent. Upon further investigation this problem begun during the TRACE support the command link was shutdown prior to the processing end. CDS ID # 30102

TOTS-1 10 Mins 48 Sec Svc/Data Loss Recoverable

23 DEC.

A. SN Anomalies - None

B. ISS Anomalies - None.

C.GN Anomalies:

1. AGS/WIRE Support 23/1355-1407Z

This support never acquired reason unknown. The antenna sat at the IP point until the pass was ended. CDS ID # 30103

TOTS-1 11 Mins 56 Secs Svc Loss

2. AGS/TOMS-EP 23/1918-1920Z

The down converter lost External reference switched to Internal reference and problem cleared. This anomaly is still under investigation. CDS ID # 30104.

TOTS-1 1917-1931Z 2 Mins 30 Sec Svc Loss21

24 DEC.

A. SN Anomalies - None

B. ISS Anomalies - None.

C.GN Anomalies:

1. SGS/EO-1 Support *24/0704-0830Z*

PTP Number 1 failure PTP became low on memory unable to command. Had to restart the master computer to clear this anomaly. CDS ID # 30105

11 Meter Antenna 0704-0716Z 12 Min. Svc/Data Loss (Recov)

2. WGS/EO-1Support 24/0329-0339Z

WGS witnessed degraded signal strength throughout the entire pass. Signal strength was fluctuating continuously causing excessive CRC errors. CDS ID# 30106

11 M Amount of Data Loss Unknown

25 DEC.

A. SN Anomalies - None

B. ISS Anomalies - None

C. GN Anomalies - None

26 DEC.

A. SN Anomalies - None

B. ISS Anomalies:

1. WSGT/ISS Multiple Supports 26/1845-27/0016Z

An apparent ISS misconfiguration occurred at approximately 360/1845Z when the POCC performed GCMR activity to return from low data rate to high data rate. The ISS appears to have remained in the low data rate mode. A return to the high data rate at 361/0016Z restored nominal SSA service. TTR # 24159

WSGT 1839-0024Z 3 Hrs 02 Mins 48 Sec Svc/Data Loss Non-Recov

C. GN Anomalies

1. AGS/EO-1 Support 26/0505-0517Z

EO-1 reported not receiving data. The PTP did not show lock. Several attempts were made to get the PTP to lock to no avail. Post pass the problem was that the Bit Sync had no data output. A reset on the Bit Sync cleared the anomaly. CDS ID# 30108

11M 12 Minutes Svc/Data Loss Recoverable

Part II. NCCDS Anomalies (OE Report) - None.

Part III. Scheduled Activities : - None.

Part IV Forecast Changes

*1.) M2109LS (STS-109/HST-SM-03B) NET 21 FEB.,2002 T-0 = UNKNOWN

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